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# INTERNATIONAL SEARCH REPORT

Interr | Application No PCT/IB2005/000016

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C07D295/08 A61K31/495		
	International Patent Classification (IPC) or to both national classific	eation and IPC	
	SEARCHED	ion oumbols)	
	cumentation searched (classification system followed by classification CO7D A61K	ion symbols)	
	ion searched other than minimum documentation to the extent that		urched
	ata base consulted during the International search (name of data b ternal, CHEM ABS Data, WPI Data, BE		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
X	KAGAYAKI NATSUKA ET AL: "SYNTHE STRUCTURE-ACTIVITY RELATIONSHIP 1-SUBSTITUTED 4-(1,2-DIPHENYLETHYL)PIPERAZINE DERIVATIVES HAVING NARCOTIC AGON ANTAGONIST ACTIVITY" JOURNAL OF MEDICINAL CHEMISTRY, CHEMICAL SOCIETY. WASHINGTON, US vol. 30, 30 March 1987 (1987-03-1779-1787, XP002249456 ISSN: 0022-2623 table II; compounds 19,20	OF  ISTS AND  AMERICAN	1-10,12, 13
X Furt	her documents are listed in the continuation of box C.	Patent family members are listed in	аппех.
	ategories of cited documents :	"T" later document published after the inter	national filing date
consid	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international	or priority date and not in conflict with to cited to understand the principle or the invention  "X" document of particular relevance; the cl	ory underlying the
filing of the country		cannot be considered novel or cannot involve an inventive step when the doc	be considered to curnent is taken alone
citatio "O" docum	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means	"Y" document of particular relevance; the ci cannot be considered to involve an inv document is combined with one or mo ments, such combination being obviou	rentive step when the re other such docu-
	ent published prior to the international filing date but han the priority date claimed	in the art.  "&" document member of the same patent f	amily
Date of the	actual completion of the international search	Date of mailing of the international sear	rch report
	April 2005	14/04/2005	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer	
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Usuelli, A	

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uation) DOCUMENTS CONSIDERED TO BE RELEVANT	FC1/1B2005/000016
Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.	
BOLLI M H AND LEY S V: "Development of a polymer bound Wittig reaction and use in multi-step organic synthesis for the overall conversion of alcohols to beta-hydroxyamines" JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1, CHEMICAL SOCIETY. LETCHWORTH, GB, 1998, pages 2243-2246, XP002121625 ISSN: 0300-922X table 3; compounds 1-2	1-10
US 4 162 316 A (NAKAMURA, HIDEO ET AL) 24 July 1979 (1979-07-24) column 29, line 21 - column 29, line 23	1-10
SHIMOKAWA N ET AL: "Studies on analgesic agents. 1. Preparation of 1,2-diphenyl-2-(4-substituted-1-piperaziny 1)ethanol derivatives and structure-activity relationship" JOURNAL OF MEDICINAL CHEMISTRY, vol. 22, no. 1, 1979, pages 58-63, XP002323138 compound 7	1-10
NATSUKA K ET AL: "Studies on 1-substituted 4-(1,2-diphenylethyl)piperazine derivatives and their analgesic activities." JOURNAL OF MEDICINAL CHEMISTRY, vol. 18, no. 12, 1975, pages 1240-1244, XP002323139 compound 4	1-10
DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002323140 Database accession no. BRN: 561221 abstract & COLLECT. CZECH. CHEM. COMM., vol. 37, 1972, pages 3124-3135,	1-10
US 5 561 152 A (FREEDMAN ET AL) 1 October 1996 (1996-10-01) column 1, line 21 - column 2, line 3 column 10, line 23 - column 10, line 41 -/	1-24
	Citation of document, with indication, where appropriate, of the relevant passages  BOLLI M H AND LEY S V: "Development of a polymer bound Wittig reaction and use in multi-step organic synthesis for the overall conversion of alcohols to beta-hydroxyamines" JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1, CHEMICAL SOCIETY. LETCHWORTH, GB, 1998, pages 2243-2246, XP002121625 ISSN: 0300-922X table 3; compounds 1-2  US 4 162 316 A (NAKAMURA, HIDEO ET AL) 24 July 1979 (1979-07-24) column 29, line 21 - column 29, line 23  SHIMOKAWA N ET AL: "Studies on analgesic agents. 1. Preparation of 1,2-diphenyl-2-(4-substituted-1-piperaziny 1) ethanol derivatives and structure-activity relationship" JOURNAL OF MEDICINAL CHEMISTRY, vol. 22, no. 1, 1979, pages 58-63, XP002323138 compound 7  NATSUKA K ET AL: "Studies on 1-substituted 4-(1,2-diphenylethyl)piperazine derivatives and their analgesic activities." JOURNAL OF MEDICINAL CHEMISTRY, vol. 18, no. 12, 1975, pages 1240-1244, XP002323139 compound 4  DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002323140 Database accession no. BRN: 561221 abstract & COLLECT. CZECH. CHEM. COMM., vol. 37, 1972, pages 3124-3135,  US 5 561 152 A (FREEDMAN ET AL) 1 October 1996 (1996-10-01) column 1, line 21 - column 2, line 3 column 10, line 23 - column 10, line 41

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## INTERNATIONAL SEARCH REPORT

Interi :al Application No PCT/IB2005/000016

Category* Citation of document, with indication, where appropriate, of the relevant passages  A ARTIGAS F: "SELECTIVE SEROTONIN/NORADRENALINE REUPTAKE INHIBITORS (SNRIS) PHARMACOLOGY AND THERAPEUTIC POTENTIAL IN THE TREATMENT OF DEPRESSIVE DISORDERS* CNS DRUGS, ADIS INTERNATIONAL, AUCKLAND, NZ, vol. 4, no. 2, 1995, pages 79–89, XP000604093  ISSN: 1172-7047 the whole document
A ARTIGAS F: "SELECTIVE SEROTONIN/NORADRENALINE REUPTAKE INHIBITORS (SNRIS) PHARMACOLOGY AND THERAPEUTIC POTENTIAL IN THE TREATMENT OF DEPRESSIVE DISORDERS" CNS DRUGS, ADIS INTERNATIONAL, AUCKLAND, NZ, vol. 4, no. 2, 1995, pages 79-89, XP000604093 ISSN: 1172-7047
SEROTONIN/NORADRENALINE REUPTAKE INHIBITORS (SNRIS) PHARMACOLOGY AND THERAPEUTIC POTENTIAL IN THE TREATMENT OF DEPRESSIVE DISORDERS" CNS DRUGS, ADIS INTERNATIONAL, AUCKLAND, NZ, vol. 4, no. 2, 1995, pages 79-89, XP000604093 ISSN: 1172-7047

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: – because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 19-23 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
Claims Nos.:     because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest
No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern al Application No PCT/IB2005/000016

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4162316	A	24-07-1979	 JP	51105081 A	17-09-1976
			JP	52014781 A	03-02-1977
			JР	52014783 A	03-02-1977
			JP	52014784 A	03-02-1977
			JР	52014785 A	03-02-1977
			JP	52065282 A	30-05-1977
			CA	1084499 A1	26-08-1980
			DE	2610433 A1	16-09-1976
			FR	2303550 A1	08-10-1976
			GB	1542959 A	28-03-1979
			US	4080453 A	21-03-1978
US 5561152	Α	01-10-1996	US	5149714 A	22-09-1992
			US	6136803 A	24-10-2000
			US	5880120 A	09-03-1999
			ΑT	104269 T	15-04-1994
			AU	606444 B2	07-02-1991
			AU	2057988 A	16-02-1989
			AU	624278 B2	04-06-1992
			UA	6598990 A	24-01-1991
			CA	1327795 C	15-03-1994
			CN	1033043 A ,C	24-05-1989
			DE	3889032 D1	19-05-1994
			DE	3889032 T2	11-08-1994
			DK	454688 A	15-02-1989
			EP	0303961 A2	22-02-1989
			ES	2054747 T3	16-08-1994
			FI	883739 A ,B,	15-02-1989
			ĦΠ	51593 A2	28-05-1990
			ΙE	63082 B1	22-03-1995
			IL	87412 A	26-05-1995
			JP	1066151 A	13-03-1989
			JP	2650045 B2	03-09-1997
•			KR	126137 B1	26-12-1997
			NO	883595 A ,B,	15-02-1989
			NZ	225758 A	26-10-1990
			PT	88251 A ,B	30-06-1989
			ZA	8805824 A	26-04-1989